

Coaxial

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### **BNC-R Single Ended Grounded Shield** Coaxial



THE NEW VALUE FRONTIER **₡**KYOCERa

**BNC-R Single Ended Grounded Shield** Coaxial



THE NEW VALUE FRONTIER **₡**Kyocera

Dimensions in inches (mm)

## C70BR4 [10333]

### **Features**

### BNC (Bayonet Naval Connectors)

The BNC series is coaxial transmission connectors and is rated to 1 kV 3 A.

The BNC series is offered in single- and double-ended type grounded shields, single- and double-ended type floating shields and 5 kV high power type. Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F, and ASA. Accessories are available, including vacuum side socket contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

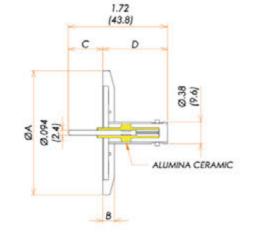
### **Materials**

Flange	304 Stainless stee
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

### **Specifications**

Туре	Coaxial
Connector	BNC-R
Voltage: V max. DC	1,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC to 100
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: "C+	-196 to 300

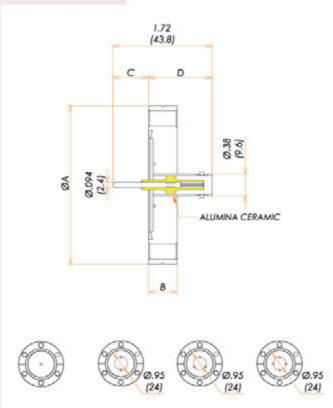
Temperature	range wi	ill be change	d depends on	the connection.
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### ConFlat® Flange

NW / KF Flange



W	MF	ria	п	g	е	
				-		

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBE	
1	NW / KF 16	1.18 (30)	.24 (6)	.60 (15.3)	1.12 (28.5)	N16BR1	10319	
1	NW / KF 25	1.57 (40)	.24 (6)	.60 (15.3)	1.12 (28.5)	N25BR1	10280	
1	NW / KF 40	2.16 (55)	.24 (6)	.60 (15.3)	1.12 (28.5)	N40BR1	10298	
2	NW / KF 40	2.16 (55)	.24 (6)	.60 (15.3)	1.12 (28.5)	N40BR2	10116	
3	NW / KF 40	2.16 (55)	.24 (6)	.60 (15.3)	1.12 (28.5)	N40BR3	10297	
4	NW / KF 40	2.16 (55)	.24 (6)	.60 (15.3)	1.12 (28.5)	N40BR4	10117	

### ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.62 (15.8)	1.10 (28)	C34BR1	10338
1	CF 2.75	2.75 (70)	.50 (12.7)	.62 (15.8)	1.10 (28)	C70BR1	10291
2	CF 2.75	2.75 (70)	.50 (12.7)	.62 (15.8)	1.10 (28)	C70BR2	10039
3	CF 2.75	2.75 (70)	.50 (12.7)	.62 (15.8)	1.10 (28)	C70BR3	10300
4	CF 2.75	2.75 (70)	.50 (12.7)	.62 (15.8)	1.10 (28)	C70BR4	10333

### Accessories

Description	REFERENCE	PART NUMBER
BNC-R In-Vacuum Cable Assembly 19"/X	VCA500BR/X	11813
BNC-R In-Vacuum Cable Assembly 39*/X	VCA1000BR/X	11828
.094 Socket Contact Set Screw Vacuum Side	SVC24S	10152
BNC Air Side Plug	ASP-BNC	10017

For more details, see Section 6.1

**COSMOTEC Corporation** 

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**BNC-R Single Ended Grounded Shield** 

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**BNC-R-F Single Ended Floating Shield** 

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**₡**Kyocera

Dimensions in inches (mm)

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N40BRF1 [10309]

### **Features**

### BNC (Bayonet Naval Connectors)

The BNC series is coaxial transmission connectors and is rated to 1 kV 3 A.

The BNC series is offered in single- and double-ended type grounded shields, single- and double-ended type floating shields and 5 kV high power type. Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F, and ASA. Accessories are available, including vacuum side socket

contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials**

Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

### **Specifications**

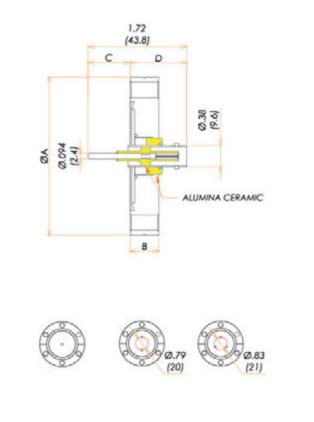
Туре	Coaxial-floating
Connector	BNC-R-F
Voltage: V max. DC	1,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC to 100
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: *C*	-196 to 300

emperature range v	will be changed	depends on the	connection.
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	Let .	1.7		4
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				(9.6)
Ø.094	(2.4)	-		



### ConFlat® Flange



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No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.42 (10.8)	1.30 (33)	N16BRF1	11045
1	NW / KF 25	1.57 (40)	.24 (6)	.72 (18.3)	1.00 (25.5)	N25BRF1	11069
1	NW / KF 40	2.16 (55)	.24 (6)	.72 (18.3)	1.00 (25.5)	N40BRF1	10309
2	NW / KF 40	2.16 (55)	.24 (6)	.72 (18.3)	1.00 (25.5)	N40BRF2	11114
3	NW / KF 40	2.16 (55)	.24 (6)	.72 (18.3)	1.00 (25.5)	N40BRF3	10308

### ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.28 (7.2)	1.44 (36.6)	C34BRF1	10025
1	CF 2.75	2.75 (70)	.50 (12.7)	.74 (18.8)	.98 (25)	C70BRF1	10234
2	CF 2.75	2.75 (70)	.50 (12.7)	.74 (18.8)	.98 (25)	C70BRF2	10240
3	CF 2.75	2.75 (70)	.50 (12.7)	.74 (18.8)	.98 (25)	C70BRF3	10318

### **Accessories**

Description	REFERENCE	PART NUMBER
.094 Socket Contact Set Screw Vacuum Side	SVC24S	10152
BNC Air Side Plug	ASP-BNC	10017

For more details, see Section 6.1

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### **BNC-R Single Ended Grounded Shield** Coaxial



THE NEW VALUE FRONTIER **₡**KYOCERa

**BNC-R Single Ended Grounded Shield** Coaxial



THE NEW VALUE FRONTIER **₡**Kyocera

Dimensions in inches (mm)

## C70BR4 [10333]

### **Features**

### BNC (Bayonet Naval Connectors)

The BNC series is coaxial transmission connectors and is rated to 1 kV 3 A.

The BNC series is offered in single- and double-ended type grounded shields, single- and double-ended type floating shields and 5 kV high power type. Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F, and ASA. Accessories are available, including vacuum side socket contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

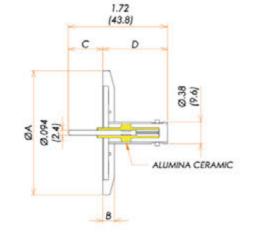
### **Materials**

Flange	304 Stainless stee
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

### **Specifications**

Туре	Coaxial
Connector	BNC-R
Voltage: V max. DC	1,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC to 100
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: "C+	-196 to 300

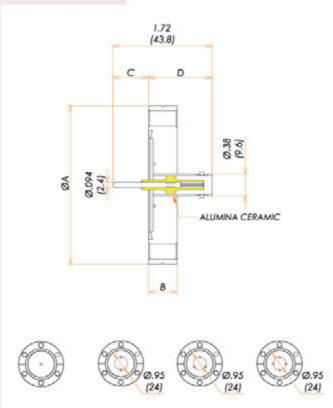
Temperature	range wi	ill be change	d depends on	the connection.
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### ConFlat® Flange

NW / KF Flange



W	MF	ria	п	g	е	
				-		

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.60 (15.3)	1.12 (28.5)	N16BR1	10319
1	NW / KF 25	1.57 (40)	.24 (6)	.60 (15.3)	1.12 (28.5)	N25BR1	10280
1	NW / KF 40	2.16 (55)	.24 (6)	.60 (15.3)	1.12 (28.5)	N40BR1	10298
2	NW / KF 40	2.16 (55)	.24 (6)	.60 (15.3)	1.12 (28.5)	N40BR2	10116
3	NW / KF 40	2.16 (55)	.24 (6)	.60 (15.3)	1.12 (28.5)	N40BR3	10297
4	NW / KF 40	2.16 (55)	.24 (6)	.60 (15.3)	1.12 (28.5)	N40BR4	10117

### ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.62 (15.8)	1.10 (28)	C34BR1	10338
1	CF 2.75	2.75 (70)	.50 (12.7)	.62 (15.8)	1.10 (28)	C70BR1	10291
2	CF 2.75	2.75 (70)	.50 (12.7)	.62 (15.8)	1.10 (28)	C70BR2	10039
3	CF 2.75	2.75 (70)	.50 (12.7)	.62 (15.8)	1.10 (28)	C70BR3	10300
4	CF 2.75	2.75 (70)	.50 (12.7)	.62 (15.8)	1.10 (28)	C70BR4	10333

### Accessories

Description	REFERENCE	PART NUMBER
BNC-R In-Vacuum Cable Assembly 19"/X	VCA500BR/X	11813
BNC-R In-Vacuum Cable Assembly 39*/X	VCA1000BR/X	11828
.094 Socket Contact Set Screw Vacuum Side	SVC24S	10152
BNC Air Side Plug	ASP-BNC	10017

For more details, see Section 6.1

**COSMOTEC Corporation** 

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**BNC-R Single Ended Grounded Shield** 

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**BNC-R-F Single Ended Floating Shield** 

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**₡**Kyocera

Dimensions in inches (mm)

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N40BRF1 [10309]

### **Features**

### BNC (Bayonet Naval Connectors)

The BNC series is coaxial transmission connectors and is rated to 1 kV 3 A.

The BNC series is offered in single- and double-ended type grounded shields, single- and double-ended type floating shields and 5 kV high power type. Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F, and ASA. Accessories are available, including vacuum side socket

contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials**

Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

### **Specifications**

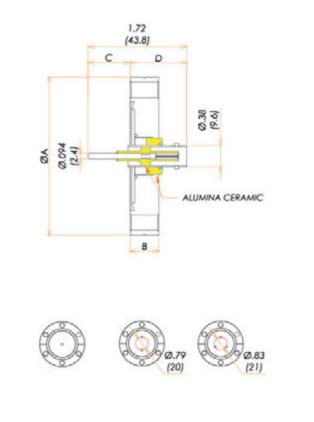
Туре	Coaxial-floating
Connector	BNC-R-F
Voltage: V max. DC	1,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC to 100
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: *C*	-196 to 300

emperature range v	will be changed	depends on the	connection.
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	Let .	1.7		4
	- (	C	D	
				(9.6)
Ø.094	(2.4)	-		



### ConFlat® Flange



И	N I	KF	FI	al	Ц	9	8
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No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.42 (10.8)	1.30 (33)	N16BRF1	11045
1	NW / KF 25	1.57 (40)	.24 (6)	.72 (18.3)	1.00 (25.5)	N25BRF1	11069
1	NW / KF 40	2.16 (55)	.24 (6)	.72 (18.3)	1.00 (25.5)	N40BRF1	10309
2	NW / KF 40	2.16 (55)	.24 (6)	.72 (18.3)	1.00 (25.5)	N40BRF2	11114
3	NW / KF 40	2.16 (55)	.24 (6)	.72 (18.3)	1.00 (25.5)	N40BRF3	10308

### ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.28 (7.2)	1.44 (36.6)	C34BRF1	10025
1	CF 2.75	2.75 (70)	.50 (12.7)	.74 (18.8)	.98 (25)	C70BRF1	10234
2	CF 2.75	2.75 (70)	.50 (12.7)	.74 (18.8)	.98 (25)	C70BRF2	10240
3	CF 2.75	2.75 (70)	.50 (12.7)	.74 (18.8)	.98 (25)	C70BRF3	10318

### **Accessories**

Description	REFERENCE	PART NUMBER
.094 Socket Contact Set Screw Vacuum Side	SVC24S	10152
BNC Air Side Plug	ASP-BNC	10017

For more details, see Section 6.1

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BNC-JJ Double

Ended

**Grounded Shield** 

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contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

## C70BJ3 [10304]

**BNC-JJ Double Ended Grounded Shield** 

NW / KF Flange

ConFlat® Flange

(36.5)

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(9.6)

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ALUMINA CERAMIC

### **Features**

### BNC (Bayonet Naval Connectors)

The BNC series is coaxial transmission connectors and is rated to 1 kV 3 A. The BNC series is offered in single- and double-ended type

grounded shields, single- and double-ended type floating shields and 5 kV high power type. Select flange size and type from NW / KF, ConFlat®, ISO-K,

Accessories are available, including vacuum side socket

### **Materials**

Flange	304 Stainless steel	
Shell	Kovar®	
Pins	Kovar®	
Insulation	Alumina ceramic	

### **Specifications**

Туре	Coaxial		
Connector	BNC-JJ		
Voltage: V max. DC	1,000		
Current: A max.	3		
Insulation: ohm min.	10 <sup>9</sup>		
Frequency: MHz	DC to 4,000		
Impedance: ohm	50		
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>		
Temperature Range: *C+	-196 to 300		

\*Temperature range will be changed depends on the connection.

### **BNC-JJ Double Ended Grounded Shield** Coaxial

**₡**Kyocera

Dimensions in inches (mm)

1.1

Coaxial

BNC

### NW / KF Flange

**₡**KYOCERa

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.14 (3.5)	1.30 (33)	N16BJ1	10098
1	NW / KF 25	1.57 (40)	.24 (6)	.44 (11)	1.00 (25.5)	N25BJ1	10102
1	NW / KF 40	2.16 (55)	.24 (6)	.44 (11)	1.00 (25.5)	N40BJ1	10112
2	NW / KF 40	2.16 (55)	.24 (6)	.44 (11)	1.00 (25.5)	N40BJ2	10422
3	NW / KF 40	2.16 (55)	.24 (6)	.44 (11)	1.00 (25.5)	N40BJ3	10289

### ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.01 (0.3)	1.43 (36.2)	C34BJ1	10023
1	CF 2.75	2.75 (70)	.50 (12.7)	.45 (11.5)	.99 (25)	C70BJ1	10035
2	CF 2.75	2.75 (70)	.50 (12.7)	.45 (11.5)	.99 (25)	C70BJ2	10227
3	CF 2.75	2.75 (70)	.50 (12.7)	.45 (11.5)	.99 (25)	C70BJ3	10304

### Accessories

Description	REFERENCE	PART NUMBER
BNC-JJ In-Vacuum Cable Assembly 19"/X	VCA500BJ/X	12079
BNC-JJ In-Vacuum Cable Assembly 39"/X	VCA1000BJ/X	12081
BNC Air Side Plug	ASP-BNC	10017

For more details, see Section 6.1

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BNC-JJ Double Ended Grounded Shield

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**₡**KYOCERa

**BNC-JJ-F Double Ended Floating Shield** Coaxial-floating



Dimensions in inches (mm)

## N40BJF1 [10113]

### **Features**

### BNC (Bayonet Naval Connectors)

The BNC series is coaxial transmission connectors and is rated to 1 kV 3 A.

The BNC series is offered in single- and double-ended type grounded shields, single- and double-ended type floating shields and 5 kV high power type. Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F, and ASA. Accessories are available, including vacuum side socket

contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials** 304 Stainless steel

304 Stairliess stee		
Kovar®		
Kovar®		
Alumina ceramic		

### **Specifications**

Туре	Coaxial-floating
Connector	BNC-JJ-F
Voltage: V max. DC	1,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC to 4,000
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: 'C+	-196 to 300

emperature range	will be	changed	depends	on the	connection.
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	С	
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		ALUMINA CERAMIC
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	В	

ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.14 (3.5)	1.30 (33)	N16BJF1	10199
1	NW / KF 25	1.57 (40)	.24 (6)	.44 (11)	1.00 (25.5)	N25BJF1	10310
1	NW / KF 40	2.16 (55)	.24 (6)	.44 (11)	1.00 (25.5)	N40BJF1	10113
2	NW / KF 40	2.16 (55)	.24 (6)	.44 (11)	1.00 (25.5)	N40BJF2	10114
3	NW / KF 40	2.16 (55)	.24	.44 (11)	1.00 (25.5)	N40BJF3	10115

ConFlat® Flange								
No. of Pins	INSTALLATION	A	В	C	D	REFERENCE	PART NUMBER	
1	CF 1.33	1.33 (34)	.30 (7.5)	.01 (0.3)	1.43 (36.2)	C34BJF1	10024	
1	CF 2.75	2.75 (70)	.50 (12.7)	.45 (11.5)	.99 (25)	C70BJF1	10036	
2	CF 2.75	2.75 (70)	.50 (12.7)	.45 (11.5)	.99 (25)	C70BJF2	10037	
3	CF 2.75	2.75 (70)	.50 (12.7)	.45 (11.5)	.99 (25)	C70BJF3	10038	

Description	REFERENCE	PART NUMBER
BNC-JJ-F In-Vacuum Cable Assembly 19"/X	VCA500BJF/X	12079
BNC-JJ-F In-Vacuum Cable Assembly 39"/X	VCA1000BJF/X	12081
BNC Air Side Plug	ASP-BNC	10017

	REFERENCE	PART NUMBER	
9°/X	VCA500BJF/X	12079	
9*/X	VCA1000BJF/X	12081	
	ASP-BNC	10017	

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Coaxial

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Introduction

Dimensions in inches (mm)

1.1

## N255BR1 [10208]

### **Features**

**Materials** 

Insulation

### BNC (Bayonet Naval Connectors)

The BNC series is coaxial transmission connectors and is rated to 1 kV 3 A.

The BNC series is offered in single- and double-ended type grounded shields, single- and double-ended type floating shields and 5 kV high power type.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F, and ASA.

Accessories are available, including vacuum side socket contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### Flange 304 Stainless steel Shell Kovar® Pins Kovar®

Alumina ceramic

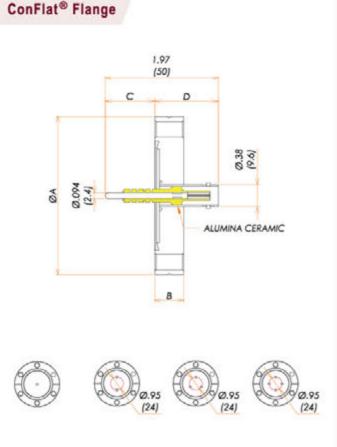
-196 to 300

Specifications				
Туре	Coaxial			
Connector	5 kV-BNC-R			
Voltage: V max. DC	5,000			
Current: A max.	3			
Insulation: ohm min.	10 <sup>9</sup>			
Frequency: MHz	DC or AC 100 (10MHz)max			
Impedance: ohm	50			
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>			

Temperature ra	ange will be	changed	depends or	the connection.
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### NW / KF Flange 1.97 ALUMINA CERAMIC

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(24)	(24)	(24)
	Ø.95 [24]	Ø.95 (24)



### NW / KF Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.85 (21.5)	1.12 (28.5)	N165BR1	11044
1	NW / KF 25	1.57 (40)	.24 (6)	.85 (21.5)	1.12 (28.5)	N255BR1	10208
1	NW / KF 40	2.16 (55)	.24 (6)	.85 (21.5)	1.12 (28.5)	N405BR1	11105
2	NW / KF 40	2.16 (55)	.24 (6)	.85 (21.5)	1.12 (28.5)	N405BR2	11106
3	NW / KF 40	2.16 (55)	.24 (6)	.85 (21.5)	1.12 (28.5)	N405BR3	11107
4	NW / KF 40	2.16 (55)	.24 (6)	.85 (21.5)	1.12 (28.5)	N405BR4	11110

### ConFlat® Flange

No. of Pins	INSTALLATION	А	В	C	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.87 (22)	1.11 (28)	C345BR1	10615
1	CF 2.75	2.75 (70)	.50 (12.7)	.87 (22)	1.11 (28)	C705BR1	10653
2	CF 2.75	2.75 (70)	.50 (12.7)	.87 (22)	1.11 (28)	C705BR2	10654
3	CF 2.75	2.75 (70)	.50 (12.7)	.87 (22)	1.11 (28)	C705BR3	10655
4	CF 2.75	2.75 (70)	.50 (12.7)	.87 (22)	1.11 (28)	C705BR4	10656

### Accessories

Description	REFERENCE	PART NUMBER
.094 Socket Contact Set Screw Vacuum Side	SVC24S	10152
BNC 5 kV Air Side Plug	ASP-BNC5KV	10001

For more details, see Section 6.1

**COSMOTEC Corporation** 

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Temperature Range: 'C+

www.feedthrough.net

J

NW / KF Flange

INSTALLATION

NW / KF 40

No. of Pins



N40SHR4

**₡**Kyocera

Dimensions in inches (mm)

PART NUMBER

10235

1.2

### **Features**

C70SHR4 [10050]

### SHV (Safe High Voltage)

The SHV series is coaxial transmission connectors and is rated to 5 kV 3 A.

The SHV series is offered in single- and double-ended type grounded shields and single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side socket

contacts, in-vacuum cable assemblies, and air side plugs. We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials**

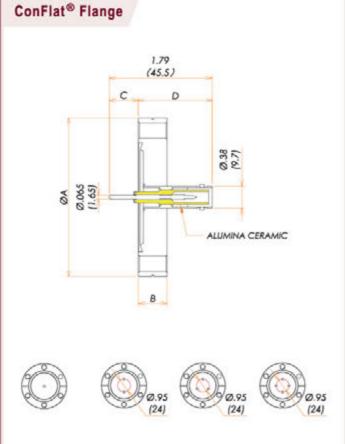
Insulation	Alumina ceramic
Pins	Kovar®
Shell	Kovar®
riange	304 Stainless stee

Specifications	
Туре	Coaxial
Connector	SHV-R
Voltage: V max. DC	5,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC or AC 100 (MHz)max.
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: "C+	-196 to 300

\*Temperature range will be changed depends on the connection.

### NW / KF Flange 1.79 (45.5) ALUMINA CERAMIC

Ø.95 (24)	Ø.95 (24)	Ø.95 (24)



1	NW / KF 16	1.18 (30)	.24 (6)	.49 (12.5)	1.30 (33)	N16SHR1	10430
1	NW / KF 25	1.58 (40)	.24 (6)	.49 (12.5)	1.30 (33)	N25SHR1	10431
.1	NW / KF 40	2.16 (55)	.24 (6)	.49 (12.5)	1.30 (33)	N40SHR1	10197
2	NW / KF 40	2.16 (55)	.24 (6)	.49 (12.5)	1.30 (33)	N40SHR2	10228
3	NW / KF 40	2.16 (55)	.24	.49 (12.5)	1.30	N40SHR3	11178

(12.5)

(33)

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.51 (13)	1.28 (32.5)	C34SHR1	10301
1	CF 2.75	2.75 (70)	.50 (12.7)	.51 (13)	1.28 (32.5)	C70SHR1	10436
2	CF 2.75	2.75 (70)	.50 (12.7)	.51 (13)	1.28 (32.5)	C70SHR2	10049
3	CF 2.75	2.75 (70)	.50 (12.7)	.51 (13)	1.28 (32.5)	C70SHR3	10239
4	CF 2.75	2.75 (70)	.50 (12.7)	.51 (13)	1.28 (32.5)	C70SHR4	10050

Description	REFERENCE	PART NUMBER
SHV-R In-Vacuum Cable Assembly 19"/X	VCA500SHR/X	11814
SHV-R In-Vacuum Cable Assembly 39"/X	VCA1000SHR/X	11829
.062 Socket Contact Vacuum Side	SVC16	10147
SHV Air Side Plug	ASP-SHV	10002

For more details, see Section 6.1

**COSMOTEC Corporation** 

COSMO

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Coaxial

SHV-

SHV-R Single Ended Grounded Shield

П

Multipin

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Dimensions in inches (mm)

Coaxial

SHV-

꾸

П

Coaxial-floating

SHV-R-F Single Ended Floating Shield

C34SHRF1 [10633]

### **Features**

### SHV (Safe High Voltage)

The SHV series is coaxial transmission connectors and is rated to 5 kV 3 A.

The SHV series is offered in single- and double-ended type grounded shields and single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side socket contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials**

Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

### **Specifications**

COSMO

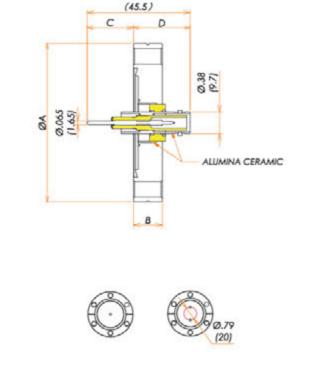
Туре	Coaxial-floating
Connector	SHV-R-F
Voltage: V max. DC	5,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC or AC 100 (MHz)max.
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: 'C+	-196 to 300

emperature range	e will be	changed	depends on	the	connection.
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### NW / KF Flange 1.79 (45.5) 80.00 (1.65) ALUMINA CERAMIC

### 1.79 (45.5)

ConFlat® Flange



### NW / KF Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.49 (12.5)	1.30 (33)	N16SHRF1	11652
1	NW / KF 25	1.58 (40)	.24 (6)	.79 (20)	1.00 (25.5)	N25SHRF1	11093
1	NW / KF 40	2.16 (55)	.24 (6)	.79 (20)	1.00 (25.5)	N40SHRF1	11180
2	NW / KF 40	2.16 (55)	.24 (6)	.79 (20)	1.00 (25.5)	N40SHRF2	11181

### ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.35 (8.9)	1.44 (36.6)	C34SHRF1	10633
1	CF 2.75	2.75 (70)	.50 (12.7)	.81 (20.5)	.98 (25)	C70SHRF1	10729
2	CF 2.75	2.75 (70)	.50 (12.7)	.81 (20.5)	.98 (25)	C70SHRF2	10730

### Accessories

Description	REFERENCE	PART NUMBER
.062 Socket Contact Vacuum Side	SVC16	10147
SHV Air Side Plug	ASP-SHV	10002

For more details, see Section 6.1

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**COSMOTEC Corporation** COSMO **COSMOTEC Corporation** www.feedthrough.net www.feedthrough.net Coaxial

C70SHJ2 [10325]

**Features** 

to 5 kV 3 A.

ISO-F and ASA.

custom-made flanges.

**Materials** 

Flange

Shell

Pins

Insulation

SHV (Safe High Voltage)

The SHV series is coaxial transmission connectors and is rated

The SHV series is offered in single- and double-ended type grounded shields and single- and double-ended type floating

Select flange size and type from NW / KF, ConFlat®, ISO-K,

Accessories are available, including vacuum side socket

contacts, in-vacuum cable assemblies, and air side plugs. We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of

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Trademarks

### SHV-JJ Double Ended Grounded Shield

NW / KF Flange

**₡**KYOCERa

SHV-JJ Double Ended Grounded Shield Coaxial



**₡**Kyocera

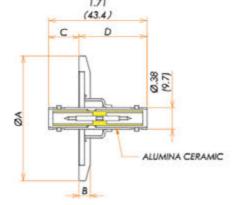
1.2

Coaxial

SHV-

Dimensions in inches (mm)

### NW / KF Flange





ConFlat® Flange





Туре	Coaxial
Connector	SHV-JJ
Voltage: V max. DC	5,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC or AC 100 (MHz)max.
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: C+	-196 to 300

\*Temperature range will be changed depends on the connection.

	1.71 (43.4) C D	
VØ		8 [L'. 6] 8 ALUMINA CERAMIC
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		Ø.79 (20)

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.22 (5.5)	1.50 (37.9)	N16SHJ1	11660
1	NW / KF 25	1.58 (40)	.24 (6)	.51 (13)	1.20 (30.4)	N25SHJ1	11091
1	NW / KF 40	2.16 (55)	.24 (6)	.51 (13)	1.20 (30.4)	N40SHJ1	11174
2	NW / KF 40	2.16 (55)	.24 (6)	.51 (13)	1.20 (30.4)	N40SHJ2	10242

No. of Pins	INSTALLATION	Α	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.09 (2.3)	1.62 (41.1)	C34SHJ1	10447
1	CF 2.75	2.75 (70)	.50 (12.7)	.53 (13.5)	1.18 (29.9)	C70SHJ1	10720
2	CF 2.75	2.75 (70)	.50 (12.7)	.53 (13.5)	1.18 (29.9)	C70SHJ2	10325

Description	REFERENCE	PART NUMBER
SHV Air Side Plug	ASP-SHV	10002

For more details, see Section 6.1

ConFlat® Flange

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Coaxial-floating SHV-JJ-F Double

**Ended Floating Shield** 

Introduction

Multipin

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Dimensions in inches (mm)

1.2

Coaxial

SHV-

C34SHJF1 [10439]

SHV-JJ-F Double Ended Floating Shield

### **Features**

Coaxial-floating

### SHV (Safe High Voltage)

The SHV series is coaxial transmission connectors and is rated to 5 kV 3 A.

The SHV series is offered in single- and double-ended type grounded shields and single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side socket contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials**

Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

### **Specifications**

Туре	Coaxial-floating
Connector	SHV-JJ-F
Voltage: V max. DC	5,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC or AC 100 (MHz)max.
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: 'C*	-196 to 300

Temperature range	will be	changed	depends o	on the	connection.
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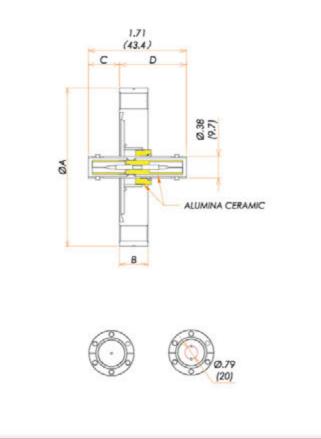
### NW / KF Flange (43.4)

**₡**KYOCERa



ALUMINA CERAMIC

### ConFlat® Flange



### NW / KF Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.23 (5.9)	1.48 (37.5)	N16SHJF1	11666
1	NW / KF 25	1.58 (40)	.24 (6)	.53 (13.4)	1.18 (30)	N25SHJF1	11092
1	NW / KF 40	2.16 (55)	.24 (6)	.53 (13.4)	1.18 (30)	N40SHJF1	11175
2	NW / KF 40	2.16 (55)	.24 (6)	.53 (13.4)	1.18 (30)	N40SHJF2	11176

### ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.11 (2.7)	1.60 (40.7)	C34SHJF1	10439
1	CF 2.75	2.75 (70)	.50 (12.7)	.55 (13.9)	1.16 (29.5)	C70SHJF1	10721
2	CF 2.75	2.75 (70)	.50 (12.7)	.55 (13.9)	1.16 (29.5)	C70SHJF2	10723

### Accessories

Description	REFERENCE	PART NUMBER	
SHV Air Side Plug	ASP-SHV	10002	

For more details, see Section 6.1

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MHV

IJ

MHV-R Single

Ended

Grounded Shield

Introduction

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Coaxial

MHV-

IJ

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### **MHV-R Single Ended Grounded Shield** Coaxial



**₡**KYOCERa

MHV-R Single Ended Grounded Shield Coaxial

NW / KF Flange

No. of Pins

INSTALLATION



REFERENCE

**₡**Kyocera

Dimensions in inches (mm)

PART NUMBER

### C70MR4 [10226]

### **Features**

custom-made flanges.

### MHV (Miniature High Voltage)

The MHV series is coaxial transmission connectors and is rated to 5 kV 3 A.

The MHV series is offered in single- and double-ended type grounded shields and in single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side socket

contacts, in-vacuum cable assemblies, and air side plugs. We also manufacture custom-made products with quick delivery.

Select welding position, number of connectors, and size of

### **Materials**

Flange	304 Stainless stee
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications			
Туре	Coaxial		
Connector	MHV-R		
Voltage: V max. DC	5,000		
Current: A max.	3		
Insulation: ohm min.	10 <sup>9</sup>		
Frequency: MHz	DC or AC 100 (MHz)max.		
Impedance: ohm	50		
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>		
Temperature Range: 'C*	-196 to 300		

changed depends on the connection.
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· ·	1.85 (47)	24
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		Z Y
	IJ	ALUMINA CERAMIC
	В	
	2.95	Ø.95 (24)
	24)	(24) (24)

	1		1.85 (47)	
		С	D	-
6A	(2.4)		7	8 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	6		В	<b>3</b>

1	NW / KF 16	1.18 (30)	.24 (6)	.73 (18.5)	1.12 (28.5)	N16MR1	10281
1	NW / KF 25	1.57 (40)	.24 (6)	.73 (18.5)	1.12 (28.5)	N25MR1	11088
1	NW / KF 40	2.16 (55)	.24 (6)	.73 (18.5)	1.12 (28.5)	N40MR1	11162
2	NW / KF 40	2.16 (55)	.24 (6)	.73 (18.5)	1.12 (28.5)	N40MR2	10233
3	NW / KF 40	2.16 (55)	.24 (6)	.73 (18.5)	1.12 (28.5)	N40MR3	11163
4	NW / KF 40	2.16 (55)	.24 (6)	.73 (18.5)	1.12 (28.5)	N40MR4	11164

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.75 (19)	1.10 (28)	C34MR1	10030
1	CF 2.75	2.75 (70)	.50 (12.7)	.75 (19)	1.10 (28)	C70MR1	10225
2	CF 2.75	2.75 (70)	.50 (12.7)	.75 (19)	1.10 (28)	C70MR2	10224
3	CF 2.75	2.75 (70)	.50 (12.7)	.75 (19)	1.10 (28)	C70MR3	10231
4	CF 2.75	2.75	.50 (12.7)	.75 (19)	1.10 (28)	C70MR4	10226

Description	REFERENCE	PART NUMBER
MHV-R In-Vacuum Cable Assembly 19*/X	VCA500MR/X	11815
MHV-R In-Vacuum Cable Assembly 39"/X	VCA1000MR/X	11830
.094 Socket Contact Set Screw Vacuum Side	SVC24S	10152
MHV Air Side Plug	ASP-MHV	10001

more	details,	see	Section	6.1

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Coaxial-floating MHV-R-F Single

**Ended Floating Shield** 

Introduction

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NW / KF Flange



MHV-R-F Single Ended Floating Shield Coaxial-floating

NW / KF Flange

ConFlat® Flange



Dimensions in inches (mm)

1.3

Coaxial

MHV-

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П

## N40MRF1 [11166]

### **Features**

### MHV (Miniature High Voltage)

The MHV series is coaxial transmission connectors and is rated to 5 kV 3 A.

The MHV series is offered in single- and double-ended type grounded shields and in single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side socket contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials**

Flange	304 Stainless stee
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications				
Туре	Coaxial-floating			
Connector	MHV-R-F			
Voltage: V max. DC	5,000			
Current: A max.	3			
Insulation: ohm min.	10 <sup>9</sup>			
Frequency: MHz	DC or AC 100 (MHz)max.			
Impedance: ohm	50			
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>			
Temperature Range: 'C+	-196 to 300			

1.85 (47) C D 88.90 88.90 88.90 ALUMINA CERAMIC
©.79 (20) Ø.83 (21)  ConFlat® Flange
C D 88.89
Ø.79 Ø.83 (21)

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.50 (12.5)	1.35 (34.5)	N16MRF1	11055
1	NW / KF 25	1.57 (40)	.24 (6)	.79 (20)	1.06 (27)	N25MRF1	11089
1	NW / KF 40	2.16 (55)	.24 (6)	.79 (20)	1.06 (27)	N40MRF1	11166
2	NW / KF 40	2.16 (55)	.24 (6)	.79 (20)	1.06 (27)	N40MRF2	11167
3	NW / KF 40	2.16 (55)	.24	.79 (20)	1.06 (27)	N40MRF3	11989

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.35 (8.9)	1.50 (38.1)	C34MRF1	10631
1	CF 2.75	2.75 (70)	.50 (12.7)	.10 (2.5)	1.04 (26.5)	C70MRF1	10714
2	CF 2.75	2.75 (70)	.50 (12.7)	.10 (2.5)	1.04 (26.5)	C70MRF2	10715
3	CF 2.75	2.75 (70)	.50 (12.7)	.10 (2.5)	1.04 (26.5)	C70MRF3	11990

Description	REFERENCE	PART NUMBER
.094 Socket Contact Set Screw Vacuum Side	SVC24S	10152
MHV Air Side Plug	ASP-MHV	10001

**COSMOTEC Corporation** 

\*Temperature range will be changed depends on the connection.

COSMO

MHV-JJ Double Ended Grounded Shield

Introduction

1.3

Coaxial

MHV-

41

**₡**KYOCERa

**MHV-JJ Double Ended Grounded Shield** Coaxial

NW / KF Flange

ConFlat® Flange



Dimensions in inches (mm)

0	
6 6	
6	
A CONTRACTOR OF THE PARTY OF TH	

### **Features**

Insulation

### MHV (Miniature High Voltage)

The MHV series is coaxial transmission connectors and is rated to 5 kV 3 A.

The MHV series is offered in single- and double-ended type grounded shields and in single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side socket contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials** Flange 304 Stainless steel Shell Kovar® Pins Kovar®

Alumina ceramic

Specifications	
Туре	Coaxial
Connector	MHV-JJ
Voltage: V max. DC	5,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC or AC 100 (MHz)max.
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10-10

٠Ţ	emperature	range	will be	changed	depends	on the	connection.
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Temperature Range: "C+

	-	1.44 (36.5)	H
	С	D	-
			(9.6)
<b>V</b>	0	y	75
v		1	ALUMINA CERAMIC
	В		

(20)	(21)

ConFlat® Flange

7	Ø.38 (9.64)
	Charles .
^	ALUMINA CERAMIC
В	
В	

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.08	1.36 (34.5)	N16MJ1	11053
1	NW / KF 25	1.57 (40)	.24 (6)	.37 (9.5)	1.07 (27)	N25MJ1	10236
1	NW / KF 40	2.16 (55)	.24 (6)	.37 (9.5)	1.07 (27)	N40MJ1	11157
2	NW / KF 40	2.16 (55)	.24 (6)	.37 (9.5)	1.07 (27)	N40MJ2	11158
3	NW / KF 40	2.16 (55)	.24	.37 (9.5)	1.07	N40MJ3	11993

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	- (-)	1.48 (37.7)	C34MJ1	10627
1	CF 2.75	2.75 (70)	.50 (12.7)	.40 (10)	1.04 (26.5)	C70MJ1	10707
2	CF 2.75	2.75 (70)	.50 (12.7)	.40 (10)	1.04 (26.5)	C70MJ2	10709
3	CF 2.75	2.75 (70)	.50 (12.7)	.40 (10)	1.04 (26.5)	C70MJ3	10710

Description	REFERENCE	PART NUMBER
MHV-JJ In-Vacuum Cable Assembly 19*/X	VCA500MJ/X	12228
MHV-JJ In-Vacuum Cable Assembly 39"/X	VCA1000MJ/X	12229
MHV Air Side Plug	ASP-MHV	10001

For more details, see Section 6.1

-196 to 300

П

Introduction

Multipin

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### **MHV-JJ-F Double Ended Floating Shield** Coaxial-floating



**₡**KYOCERa

MHV-JJ-F Double Ended Floating Shield Coaxial-floating



Dimensions in inches (mm)

## C34MJF1 [10628]

### **Features**

### MHV (Miniature High Voltage)

The MHV series is coaxial transmission connectors and is rated to 5 kV 3 A.

The MHV series is offered in single- and double-ended type grounded shields and in single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side socket contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials**

Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

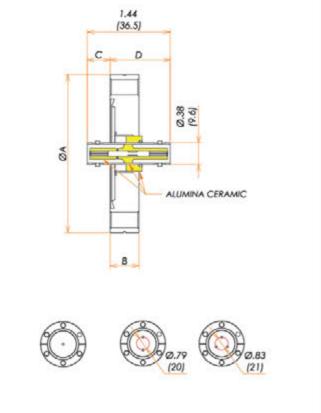
### **Specifications**

Туре	Coaxial-floating
Connector	MHV-JJ-F
Voltage: V max. DC	5,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC or AC 100 (MHz)max.
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: 'C+	-196 to 300

emperature rang	e will be changed	depends on the	e connection.
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	1.44 (36.5)	4
	С	(9.0) (9.0)
ØA		ALUMINA CERAMIC
<u>.</u>	8	

### ConFlat® Flange



1		7.4	-	_				1000
10.0	NI		21	3	2	п	•	Α .
		-				ш	-	
		_	_	-	-	-	_	

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.08	1.36 (34.5)	N16MJF1	11054
1	NW / KF 25	1.57 (40)	.24 (6)	.37 (9.5)	1.07 (27)	N25MJF1	10205
1	NW / KF 40	2.16 (55)	.24 (6)	.37 (9.5)	1.07 (27)	N40MJF1	11159
2	NW / KF 40	2.16 (55)	.24 (6)	.37 (9.5)	1.07 (27)	N40MJF2	11160
3	NW / KF 40	2.16 (55)	.24 (6)	.37 (9.5)	1.07 (27)	N40MJF3	11996

### ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	_ (-)	1.48 (37.7)	C34MJF1	10628
1	CF 2.75	2.75 (70)	.50 (12.7)	.40 (10)	1.04 (26.5)	C70MJF1	10711
2	CF 2.75	2.75 (70)	.50 (12.7)	.40 (10)	1.04 (26.5)	C70MJF2	10712
3	CF 2.75	2.75 (70)	.50 (12.7)	.40 (10)	1.04 (26.5)	C70MJF3	11997

### **Accessories**

REFERENCE	PART NUMBER
VCA500MJF/X	12228
VCA1000MJF/X	12229
ASP-MHV	10001
	VCA500MJF/X VCA1000MJF/X

For more details, see Section 6.1

**COSMOTEC Corporation** 

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1.3

MHV--П

MHV-JJ-F Double Ended Floating Shield

Introduction

Isolator

N-R Single

**Ended Grounded Shield** 

Multipin

45



**₡**KYOCERa

**N-R Single Ended Grounded Shield** Coaxial



**₡**Kyocera

Dimensions in inches (mm)

1.4

Coaxial

Z Т

IJ

### **Features**

N16NR1 [11056]

The N series is coaxial transmission connectors and is rated to

The N series is offered in single- and double-ended type grounded shields and single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side Pin contacts

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom made flanges.

Materials	
Flange	304 Stainless steel

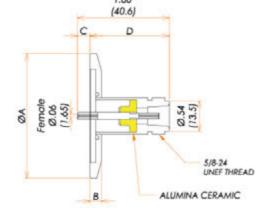
Kovar®
Kovar®
Alumina ceramic

### **Specifications**

Туре	Coaxial
Connector	N-R
Voltage: V max. DC	3,000
Current: A max.	5
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC or AC 200 (MHz)max.
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: 'C*	-196 to 300

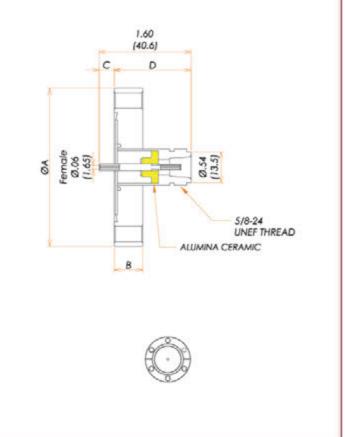
Temperature range	will be changed	d depends on	the connection.
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### NW / KF Flange (40.6)





### ConFlat® Flange



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### NW / KF Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	(-)	1.67 (42.5)	N16NR1	11056
1	NW / KF 25	1.57 (40)	.24 (6)	.22 (5.6)	1.38 (35)	N25NR1	11090
1	NW / KF 40	2.16 (55)	.24 (6)	.22 (5.6)	1.38 (35)	N40NR1	11171
2	NW / KF 40	2.16 (55)	.24 (6)	.22 (5.6)	1.38 (35)	N40NR2	11172

### ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	(-)	1.81 (46.1)	C34NR1	10031
1	CF 2.75	2.75 (70)	.50 (12.7)	.24 (6.1)	1.36 (34.5)	C70NR1	10718

### Accessories

Description	REFERENCE	PART NUMBER
.062 Pin Contact Vacuum Side	PAC16	10133
N Air Side Plug	ASP-N	10188

For more details, see Section 6.1

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N-R-F Single

**Ended Floating Shield** 

Introduction

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1.60 (40.6)

NW / KF Flange



**₡**Kyocera

1.4

Coaxial

2

Т

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П

Dimensions in inches (mm)

6		
1	1	

### **Features**

The N series is coaxial transmission connectors and is rated to

The N series is offered in single- and double-ended type grounded shields and single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side Pin contacts

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom made flanges.

### **Materials** Flange 304 Stainless steel Shell Kovar® Pins Kovar® Insulation Alumina ceramic

Туре	Coaxial-floating
Connector	N-R-F
Voltage: V max. DC	3,000
Current: A max.	5
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC or AC 200 (MHz)max.
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: 'C+	-196 to 300

0	S/8-24 UNEF THREAD  ALUMINA CERAMIC
ConFla	t <sup>®</sup> Flange
8	1.60 (40.6) C D 5/8-24 UNEF THREAD ALUMINA CERAMIC
	В

NW / K	F Flange						
No. of Pins	INSTALLATION	A	В	c	D	REFERENCE	PART NUMBER
1	NW / KF 25	1.57 (40)	.24 (6)	.22 (5.6)	1.38 (35)	N25NRF1	10434
1	NW / KF 40	2.16 (55)	.24 (6)	.22 (5.6)	1.38 (35)	N40NRF1	11173

1 CF 2.75 2.75 .50 .24 1.36 C70NRF1 10719	No. of Pins INSTALLATION A B C D	REFERENCE	PART NUMBER
	1 CF 2.75 2.75 .50 .24 1.36 (34.5)	C70NRF1	10719
	(70) (12.7) (6.1) (34.5)		

Description	REFERENCE	PART NUMBER
.062 Pin Contact Vacuum Side	PAC16	10133
N Air Side Plug	ASP-N	10188

For more details, see Section 6.1

Accessories

ConFlat® Flange

Mı	ıtti	pir	1	
	_		_	_

48

Multipin

\*Temperature range will be changed depends on the connection.

2

Т

N-JJ Double

Ended

**Grounded Shield** 

Introduction

Multipin

Trademarks

49

Coaxial

2

Т

Dimensions in inches (mm)

N-JJ Double Ended Grounded Shield

N40NJ1 [10232]

Coaxial

The N series is coaxial transmission connectors and is rated to 3 kV 5 A. The N series is offered in single- and double-ended type

grounded shields and single- and double-ended type floating

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side Pin contacts

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom made flanges.

### **Materials**

Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

### **Specifications**

Туре	Coaxial		
Connector	N-JJ		
Voltage: V max. DC	3,000		
Current: A max.	5		
Insulation: ohm min.	10 <sup>9</sup>		
Frequency: MHz	DC or AC 6,500 (MHz)max.		
Impedance: ohm	50		
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>		
Temperature Range: 'C+	-196 to 300		

\*Temperature range will be changed depends on the connection.

## NW / KF Flange

THE NEW VALUE FRONTIER

**₡**KYOCERa

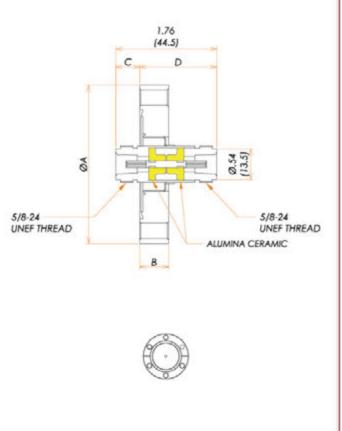
UNEF THREAD

ALUMINA CERAMIC



### ConFlat® Flange

UNEF THREAD



### NW / KF Flange

Coaxial

N-JJ Double Ended Grounded Shield

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 25	1.57 (40)	.24 (6)	.37 (9.5)	1.38 (35)	N25NJ1	10203
1	NW / KF 40	2.16 (55)	.24 (6)	.37 (9.5)	1.38 (35)	N40NJ1	10232

### ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	С	D	REFERENCE	PART NUMBER
1	CF 2.75	2.75 (70)	.50 (12.7)	.39 (10)	1.36 (34.5)	C70NJ1	10717

### Accessories

Description	REFERENCE	PART NUMBER
N Air Side Plug	ASP-N	10188

For more details, see Section 6.1

COSMO

**COSMOTEC Corporation** 

Introduction

N-JJ Double Ended Grounded Shield

Isolator

50

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П

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Dimensions in inches (mm)

Coaxial

2 ī

П

### **Features**

C70NJF1 [10342]

The N series is coaxial transmission connectors and is rated to The N series is offered in single- and double-ended type

grounded shields and single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side Pin contacts

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom made flanges.

Materials				
Flange	304 Stainless steel			
Shell	Kovar®			
Pins	Kovar®			
Insulation	Alumina ceramic			

Туре	Coaxial-floating
Connector	N-JJ-F
Voltage: V max. DC	3,000
Current: A max.	5
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	DC or AC 6,500 (MHz)max.
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: *C*	-196 to 300

\*Temperature range will be changed depends on the connection.

	С	1.76 (44.5) D	
5/8-24 UNEF THREAD	8		5/8-24 UNEF THREAD

ConFlat® Flange	1.76 (44.5)
5/8-24 UNEF THREAD	S/8-24 UNEF THREAD ALUMINA CERAMIC

NW / KF Flange							
No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 25	1.57 (40)	.24 (6)	.37 (9.5)	1.38 (35)	N25NJF1	10350
1	NW / KF 40	2.16 (55)	.24 (6)	.37 (9.5)	1.38 (35)	N40NJF1	11169

No. of Pins	INSTALLATION	Α	В	С	D	REFERENCE	PART NUMBER
1	CF 2.75	2.75 (70)	.50 (12.7)	.40 (10)	1.36 (34.5)	C70NJF1	10342
-1	CF 2.75	(70)				C/UNJF1	10342

Description	REFERENCE	PART NUMBER
N Air Side Plug	ASP-N	10188

For more details, see Section 6.1

ConFlat® Flange

N-JJ-F Double Ended Floating Shield

Isolator

SMA-

IJ

SMA-R Single

Ended

Grounded Shield

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### SMA-R Single Ended Grounded Shield Coaxial



ALUMINA CERAMIC

1/4-36

ALUMINA CERAMIC

**UNS THREAD** 

NW / KF Flange

ConFlat® Flange

ØA (1.8)

1.10

THE NEW VALUE FRONTIER **₡**KYOCERa

**SMA-R Single Ended Grounded Shield** Coaxial



N40SMR4

Dimensions in inches (mm)

PART NUMBER

11190

NW / KF Flange INSTALLATION REFERENCE 1.18 (30) .24 (6) .12 NW / KF 16

N16SMR1 11059 (25) .98 (25) 1.57 .12 (6) NW / KF 25 N25SMR1 11095 (3) 2.16 (6) .98 11187 NW / KF 40 N40SMR1 (25)(55) 2.16 .24 (6) .12 2 NW / KF 40 N40SMR2 11188 (25)(55).24 (6) .12 3 NW / KF 40 N40SMR3 11189 (25) (55)

(25)

### ConFlat® Flange

NW / KF 40

No. of Pins

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.14 (3.5)	.96 (24.5)	C34SMR1	10196
1	CF 2.75	2.75 (70)	.50 (12.7)	.14 (3.5)	.96 (24.5)	C70SMR1	10734
2	CF 2.75	2.75 (70)	.50 (12.7)	.14 (3.5)	.96 (24.5)	C70SMR2	10735
3	CF 2.75	2.75 (70)	.50 (12.7)	.14 (3.5)	.96 (24.5)	C70SMR3	10736
4	CF 2.75	2.75 (70)	.50 (12.7)	.14 (3.5)	.96 (24.5)	C70SMR4	10737

### Accessories

Description	REFERENCE	PART NUMBER
.07 Socket Contact Vacuum Side	SVC18	10150
SMA Air Side Plug	ASP-SMA	10003

For more details, see Section 6.1

**COSMOTEC Corporation** 

## C34SMR1 [10196]

### **Features**

### SMA (Subminiature Type-A)

The SMA series is coaxial transmission connectors and is rated to 1 kV 3 A.

The SMA series is offered in single- and double-ended type grounded shields and single- and double-ended type floating

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side socket contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials**

Flange	304 Stainless stee
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

### **Specifications**

Туре	Coaxial
Connector	SMA-R
Voltage: V max. DC	1,000
Current: A max.	3
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	6,500
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: *C+	-196 to 300

\*Temperature range will be changed depends on the connection.

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### **SMA-R-F Single Ended Floating Shield** Coaxial-floating



THE NEW VALUE FRONTIER **₡**KYOCERa

**SMA-R-F Single Ended Floating Shield** Coaxial-floating

NW / KF Flange

ConFlat® Flange



Dimensions in inches (mm)

### **₡**Kyocera

1.5

Coaxial

SMA-

꾸

П

N25SMRF1 [10438]

### **Features**

### SMA (Subminiature Type-A)

The SMA series is coaxial transmission connectors and is rated to 1 kV 3 A. The SMA series is offered in single- and double-ended type

grounded shields and single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side socket contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials** 304 Stainless steel

Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

### **Specifications**

Туре	Coaxial-floating		
Connector	SMA-R-F		
Voltage: V max. DC	1,000		
Current: A max.	3		
Insulation: ohm min.	10 <sup>9</sup>		
Frequency: MHz	6,500		
Impedance: ohm	50		
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>		
Temperature Range: 'C+	-196 to 300		

emperature range	will be	changed	depends on	the	connection.
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NW / KF F	lange				
	C	1.10 (28)			
YØ Y	(1.8)	B	0.22 (5.4)	/4-36 INS THREAD ERAMIC	
	$\odot$		Ø.79 [20]	Ø.83 (21)	

	Ë	
		(5.4)
Ø.07 (1.8)		
40		
	<u>k</u>	1/4-36 UNS THREAD
	1	ALUMINA CERAMIC

ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.33 (8.5)	.77 (19.5)	N16SMRF1	11060
1	NW / KF 25	1.57 (40)	.24 (6)	.33 (8.5)	.77 (19.5)	N25SMRF1	10438
1	NW / KF 40	2.16 (55)	.24 (6)	.33 (8.5)	.77 (19.5)	N40SMRF1	11191
2	NW / KF 40	2.16 (55)	.24 (6)	.33 (8.5)	.77 (19.5)	N40SMRF2	11192
3	NW / KF 40	2.16 (55)	.24 (6)	.33 (8.5)	.77 (19.5)	N40SMRF3	12000

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.35 (9)	.75 (19)	C34SMRF1	10636
1	CF 2.75	2.75 (70)	.50 (12.7)	.35 (9)	.75 (19)	C70SMRF1	10738
2	CF 2.75	2.75 (70)	.50 (12.7)	.35 (9)	.75 (19)	C70SMRF2	10739
3	CF 2.75	2.75 (70)	.50 (12.7)	.35 (9)	.75 (19)	C70SMRF3	10740

Description	REFERENCE	PART NUMBER
07 Socket Contact Vacuum Side	SVC18	10150
SMA Air Side Plug	ASP-SMA	10003

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**COSMOTEC Corporation** 

1.5

Coaxial

SMA-

**Grounded Shield** 

Introduction

Multipin

57

NW / KF Flange

ConFlat® Flange



**₡**Kyocera

Dimensions in inches (mm)

## C70SMJ1 [10299]

### **Features**

### SMA (Subminiature Type-A)

The SMA series is coaxial transmission connectors and is rated to 1 kV 3 A.

The SMA series is offered in single- and double-ended type grounded shields and single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side socket

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

contacts, in-vacuum cable assemblies, and air side plugs.

### **Materials** Flange 304 Stainless steel Shell Kovar® Pins Kovar® Insulation Alumina ceramic

Specifications				
Туре	Coaxial			
Connector	SMA-JJ			
Voltage: V max. DC	1,000			
Current: A max.	3			
Insulation: ohm min.	10 <sup>9</sup>			
Frequency: MHz	6,500			
Impedance: ohm	50			
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>			
Tamasantura Banasa 'Ca	400 to 200			

Frequency: MHz	6,500
Impedance: ohm	50
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>
Temperature Range: 'C*	-196 to 300

\*Temperature range will be changed depends on the connection.

W / KF Flar	ge
	.89 (22.5) C D
	(5.4)
1/4-36 UNS THRE	AD 1/4-36 UNS THREAD ALUMINA CERAMIC
<b></b>	Ø.79 Ø.83 (21)

C	.89 (22.5) D
1/4-36 UNS THREAD	1/4-36 UNS THREAD ALUMINA CERAMIC
	Ø.79 Ø.83 (21)

ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.12 (3)	.77 (19.5)	N16SMJ1	11057
1	NW / KF 25	1.57 (40)	.24 (6)	.12 (3)	.77 (19.5)	N25SMJ1	11094
1	NW / KF 40	2.16 (55)	.24 (6)	.12 (3)	.77 (19.5)	N40SMJ1	11182
2	NW / KF 40	2.16 (55)	.24 (6)	.12 (3)	.77 (19.5)	N40SMJ2	11183
3	NW / KF 40	2.16 (55)	.24 (6)	.12 (3)	.77 (19.5)	N40SMJ3	11184

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.14 (3.5)	.75 (19)	C34SMJ1	10201
1	CF 2.75	2.75 (70)	.50 (12.7)	.14 (3.5)	.75 (19)	C70SMJ1	10299
2	CF 2.75	2.75 (70)	.50 (12.7)	.14 (3.5)	.75 (19)	C70SMJ2	10238
3	CF 2.75	2.75 (70)	.50 (12.7)	.14 (3.5)	.75 (19)	C70SMJ3	10732

Description	REFERENCE	PART NUMBER
SMA-JJ In-Vacuum Cable Assembly 19"/X	VCA500SMJ/X	11886
SMA-JJ In-Vacuum Cable Assembly 39"/X	VCA1000SMJ/X	11905
SMA Air Side Plug	ASP-SMA	10003

58

Coaxial-floating

1.5

Coaxial

SMA-

59

NW / KF Flange

ConFlat® Flange

**SMA-JJ-F Double Ended Floating Shield** Coaxial-floating



**₡**Kyocera

Dimensions in inches (mm)

### C70SMJF2 [10316]

### **Features**

### SMA (Subminiature Type-A)

The SMA series is coaxial transmission connectors and is rated to 1 kV 3 A. The SMA series is offered in single- and double-ended type

grounded shields and single- and double-ended type floating Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side socket contacts, in-vacuum cable assemblies, and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials** 304 Stainless steel

Insulation	Alumina ceramic
Pins	Kovar®
Shell	Kovar®
i ialige	304 Stalliless stee

Specifications				
Туре	Coaxial-floating			
Connector	SMA-JJ-F			
Voltage: V max. DC	1,000			
Current: A max.	3			
Insulation: ohm min.	10 <sup>9</sup>			
Frequency: MHz	6,500			
Impedance: ohm	50			
Leak rate: 1.3×Pa · m³/s	10 <sup>-10</sup>			
Temperature Range: *C*	-196 to 300			

anged depends on the connection.
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	NW / K	F Flange
.89	No. of Pins	INSTALLATION
C D	1	NW / KF 16
(5.22	1	NW / KF 25
8	.1	NW / KF 40
1/4-36	2	NW / KF 40
UNS THREAD  ALUMINA CERAMIC  B	3	NW / KF 40
	ConFla	t® Flange

**₡**KYOCERa

.89 (22.5)
6.22
1/4-36 UNS THREAD ALUMINA CERAMIC
Ø.79 Ø.83 (21)

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.12 (3)	.77 (19.5)	N16SMJF1	11058
1	NW / KF 25	1.57 (40)	.24 (6)	.12 (3)	.77 (19.5)	N25SMJF1	10198
1	NW / KF 40	2.16 (55)	.24 (6)	.12 (3)	.77 (19.5)	N40SMJF1	10423
2	NW / KF 40	2.16 (55)	.24 (6)	.12 (3)	.77 (19.5)	N40SMJF2	11185
3	NW / KF 40	2.16 (55)	.24 (6)	.12	.77 (19.5)	N40SMJF3	11186

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.14 (3.5)	.75 (19)	C34SMJF1	10032
1	CF 2.75	2.75 (70)	.50 (12.7)	.14 (3.5)	.75 (19)	C70SMJF1	10317
2	CF 2.75	2.75 (70)	.50 (12.7)	.14 (3.5)	.75 (19)	C70SMJF2	10316
3	CF 2.75	2.75 (70)	.50 (12.7)	.14 (3.5)	.75 (19)	C70SMJF3	10733

Description	REFERENCE	PART NUMBER
SMA-JJ-F In-Vacuum Cable Assembly 19"/X	VCA500SMJF/X	11886
SMA-JJ-F In-Vacuum Cable Assembly 39"/X	VCA1000SMJF/X	11905
SMA Air Side Plug	ASP-SMA	10003

For more details, see Section 6.1

Introduction

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### **LEMO-00R Single Ended Grounded Shield** Coaxial



NW / KF Flange

THE NEW VALUE FRONTIER **₡**KYOCERa

**LEMO-00R Single Ended Grounded Shield** Coaxial

2.16

NW / KF 40



**₡**Kyocera

1.6

Coaxial

LEMO-

00

Dimensions in inches (mm)

## N25LR1 [10206]

### **Features**

### ■ LEMO

Insulation

The LEMO series is coaxial transmission connectors and is rated to 1 kV 2 A.

The LEMO series is offered in single- and double-ended type grounded single- and double-ended type floating shields. Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Because the LEMO series is more compact than other coaxial series, many connectors can be welded to the flange. Accessories are available, including vacuum side socket contacts and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials** 304 Stainless steel Shell Kovar® Pins Kovar®

Alumina ceramic

-196 to 300

Specifications			
Туре	Coaxial		
Connector	LEMO-00R		
Voltage: V max. DC	1,000		
Current: A max.	2		
Insulation: ohm min.	10 <sup>9</sup>		
Frequency: MHz	1,300		
Impedance: ohm	50		
Leak rate: Pa · m³/s	10-10		

Temperature range	will be	changed	depends	on the	connection.
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**COSMOTEC Corporation** 

Temperature Range: 'C+

# ALUMINA CERAMIC

1 Pin	2 Pin	3 Pin	P.C.D.
P.C.D.	6 Pin	7 Pin	P.C.D.
9 Pin	P.C.D	P.C.D.	P.C.D.

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	F Flange							
No. of Pins	INSTALLATION	A	В	С	D	P.C.D.	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.30 (7.5)	.88 (22.5)	( <del>-</del> )	N16LR1	11050
1	NW / KF 25	1.57 (40)	.24 (6)	.30 (7.5)	.88 (22.5)	(-)	N25LR1	10206
2	NW / KF 25	1.57 (40)	.24 (6)	.30 (7.5)	.88 (22.5)	.60 (15)	N25LR2	11080
3	NW / KF 25	1.57 (40)	.24 (6)	.30 (7.5)	.88 (22.5)	.60 (15)	N25LR3	11081
4	NW / KF 25	1.57 (40)	.24 (6)	.30 (7.5)	.88 (22.5)	.63 (16)	N25LR4	11082
5	NW / KF 25	1.57 (40)	.24 (6)	.30 (7.5)	.88 (22.5)	.63 (16)	N25LR5	11083
1	NW / KF 40	2.16 (55)	.24 (6)	.30 (7.5)	.88 (22.5)	(-)	N40LR1	11132
2	NW / KF 40	2.16 (55)	.24 (6)	.30 (7.5)	.88 (22.5)	.71 (18)	N40LR2	11136
3	NW / KF 40	2.16 (55)	.24 (6)	.30 (7.5)	.88 (22.5)	.79 (20)	N40LR3	11137
4	NW / KF 40	2.16 (55)	.24 (6)	.30 (7.5)	.88 (22.5)	.91 (23)	N40LR4	11138
5	NW / KF 40	2.16 (55)	.24 (6)	.30 (7.5)	.88 (22.5)	.99 (25)	N40LR5	11139
6	NW / KF 40	2.16 (55)	.24 (6)	.30 (7.5)	.88 (22.5)	.99 (25)	N40LR6	11140
7	NW / KF 40	2.16 (55)	.24 (6)	.30 (7.5)	.88 (22.5)	1.07 (27)	N40LR7	11141
8	NW / KF 40	2.16 (55)	.24 (6)	.30 (7.5)	.88 (22.5)	1.07 (27)	N40LR8	11142
9	NW / KF 40	2.16 (55)	.24 (6)	.30 (7.5)	.88 (22.5)	1.15 (29)	N40LR9	11143
10	NW / KF 40	2.16 (55)	.24 (6)	.30 (7.5)	.88 (22.5)	1.23 (31)	N40LR10	11133
12	NW / KF 40	2.16 (55)	.24 (6)	.30 (7.5)	.88 (22.5)	1.23 (31)	N40LR12	11134
		2.10	24	20	00	1.00		

Accessories	ories			
Description	REFERENCE	PART NUMBER		
.04 Socket Contact Vacuum Side	SVC10	10499		
LEMO Air Side Plua	ASP-LEMO	10186		

N40LR13

For more details, see Section 6.1

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**COSMOTEC Corporation** COSMO

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11135

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LEMO-00R Single Ended Grounded Shield

Isolator

Part number & Reference Index

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**₡**KYOCERa

**LEMO-00R Single Ended Grounded Shield** Coaxial



**₡**Kyocera

Dimensions in inches (mm)

1.6

Coaxial

LEMO-

00

N25LR1 [10206]

### **Features**

custom-made flanges.

### LEMO

The LEMO series is coaxial transmission connectors and is rated to 1 kV 2 A.

The LEMO series is offered in single- and double-ended type grounded single- and double-ended type floating shields. Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Because the LEMO series is more compact than other coaxial series, many connectors can be welded to the flange. Accessories are available, including vacuum side socket

contacts and air side plugs. We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of

### **Materials** 304 Stainless steel

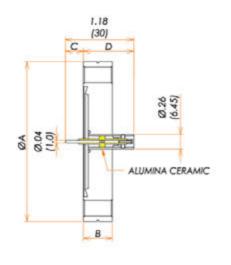
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

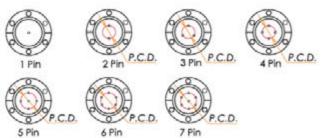
### **Specifications**

Туре	Coaxial
Connector	LEMO-00R
Voltage: V max. DC	1,000
Current: A max.	2
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	1,300
Impedance: ohm	50
Leak rate: Pa · m³/s	10 <sup>-10</sup>
Temperature Range: *C+	-196 to 300

\*Temperature range will be changed depends on the connection.

ConFlat® Flange





### ConFlat® Flange

No. of Pins	INSTALLATION	A	В	С	D	P.C.D.	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.31 (8)	.87 (22)	( <del>-</del> )	C34LR1	10623
2	CF 1.33	1.33 (34)	.30 (7.5)	.31 (8)	.87 (22)	.40 (10)	C34LR2	10624
1	CF 2.75	2.75 (70)	.50 (12.7)	.31 (8)	.87 (22)	(-)	C70LR1	10692
2	CF 2.75	2.75 (70)	.50 (12.7)	.31 (8)	.87 (22)	.79 (20)	C70LR2	10693
3	CF 2.75	2.75 (70)	.50 (12.7)	.31 (8)	.87 (22)	.79 (20)	C70LR3	10694
4	CF 2.75	2.75 (70)	.50 (12.7)	.31 (8)	.87 (22)	.87 (22)	C70LR4	10695
5	CF 2.75	2.75 (70)	.50 (12.7)	.31 (8)	.87 (22)	.95 (24)	C70LR5	10696
6	CF 2.75	2.75 (70)	.50 (12.7)	.31 (8)	.87 (22)	.95 (24)	C70LR6	10697
7	CF 2.75	2.75 (70)	.50 (12.7)	.31 (8)	.87 (22)	.95 (24)	C70LR7	10698

### **Accessories**

Description	REFERENCE	PART NUMBER
.04 Socket Contact Vacuum Side	SVC10	10499
LEMO Air Side Plug	ASP-LEMO	10186

For more details, see Section 6.1

**COSMOTEC Corporation** 

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Multipin

1.6

Coaxial

LEMO-

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**LEMO-JJ Double Ended Grounded Shield** Coaxial



NW / KF Flange



**LEMO-JJ Double Ended Grounded Shield** Coaxial

NW / KF Flange

ConFlat® Flange



Dimensions in inches (mm)

## N25LJ1 [10207]

### **Features**

### LEMO

The LEMO series is coaxial transmission connectors and is rated to 1 kV 2 A.

The LEMO series is offered in single- and double-ended type grounded single- and double-ended type floating shields. Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Because the LEMO series is more compact than other coaxial series, many connectors can be welded to the flange.

Accessories are available, including vacuum side socket contacts and air side plugs.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

### **Materials** Flange 304 Stainless steel Shell Kovar® Pins Kovar® Insulation Alumina ceramic

Туре	Coaxial
Connector	LEMO-JJ
Voltage: V max. DC	1,000
Current: A max.	2
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	1,300
Impedance: ohm	50
Leak rate: Pa · m³/s	10 <sup>-10</sup>
Temperature Range: *C+	-196 to 300

NW / Kr Flange
1.09 (27.7) D  RY S  ALUMINA CERAMIC
© Ø,79 (20) Ø,83 (21) Ø,95 (24)  ConFlat® Flange
1.09 (27.7) C D SE ST
Ø.79 Ø.83 (21)

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	.03 (0.7)	1.06 (27)	N16LJ1	11048
1	NW / KF 25	1.57 (40)	.24 (6)	.03 (0.7)	1.06 (27)	N25LJ1	10207
2	NW / KF 25	1.57 (40)	.24 (6)	.03 (0.7)	1.06 (27)	N25LJ2	11078
1	NW / KF 40	2.16 (55)	.24 (6)	.03 (0.7)	1.06 (27)	N40LJ1	11126
2	NW / KF 40	2.16 (55)	.24 (6)	.03 (0.7)	1.06 (27)	N40LJ2	11127
3	NW / KF 40	2.16 (55)	.24 (6)	.03 (0.7)	1.06 (27)	N40LJ3	11128
4	NW / KF 40	2.16 (55)	.24 (6)	.03	1.06 (27)	N40LJ4	11129

No. of Pins	INSTALLATION	Α	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.03 (0.7)	1.06 (27)	C34LJ1	10619
1	CF 2.75	2.75 (70)	.50 (12.7)	.03 (0.7)	1.06 (27)	C70LJ1	10685
2	CF 2.75	2.75 (70)	.50 (12.7)	.03 (0.7)	1.06 (27)	C70LJ2	10686
3	CF 2.75	2.75 (70)	.50 (12.7)	.03 (0.7)	1.06 (27)	C70LJ3	10687

Accessories				
ERENCE	PART NUMBER			
P-LEMO	10186			
	P-LEMO			

\*Temperature range will be changed depends on the connection.

COSMO **COSMOTEC Corporation** 

Coaxial-floating

LEMO-JJ-F Double Ended Floating Shield

1.6

Coaxial

LEMO-

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**LEMO-JJ-F Double Ended Floating Shield** Coaxial-floating





**LEMO-JJ-F Double Ended Floating Shield** Coaxial-floating

NW / KF Flange

ConFlat® Flange



Dimensions in inches (mm)

**₡**Kyocera

**Features** 

contacts and air side plugs.

C34LJF1 [10200]

### LEMO

The LEMO series is coaxial transmission connectors and is rated to 1 kV 2 A.

The LEMO series is offered in single- and double-ended type grounded single- and double-ended type floating shields. Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Because the LEMO series is more compact than other coaxial series, many connectors can be welded to the flange. Accessories are available, including vacuum side socket

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

Materials				
Flange	304 Stainless steel			
Shell	Kovar®			
Pins	Kovar®			

Flange	304 Stainless stee
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Туре	Coaxial-floating
Connector	LEMO-JJ-F
Voltage: V max. DC	1,000
Current: A max.	2
Insulation: ohm min.	10 <sup>9</sup>
Frequency: MHz	1,300
Impedance: ohm	50
Leak rate: Pa · m³/s	10 <sup>-10</sup>
Temperature Range: 'C+	-196 to 300

\*Temperature range will be changed depends on the connection.

NW / KF Flange
1.08 (27.5) 97.09 ALUMINA CERAMIC
© Ø.79 Ø.83 (21)  ConFlat® Flange
1.08 (27.5) C D 92.5 ALUMINA CERAMIC
Ø.79 Ø.83 (21)

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	NW / KF 16	1.18 (30)	.24 (6)	( <del>-</del> )	( <del>-</del> )	N16LJF1	11049
1	NW / KF 25	1.57 (40)	.24 (6)	(-)	( <del>-</del> )	N25LJF1	11079
1	NW / KF 40	2.16 (55)	.24 (6)	( <del>-</del> )	( <del>-</del> )	N40LJF1	11130
2	NW / KF 40	2.16 (55)	.24 (6)	( <del>-</del> )	( <del>-</del> )	N40LJF2	11131
3	NW / KF 40	2.16 (55)	.24 (6)	_ (-)	(-)	N40LJF3	12007

No. of Pins	INSTALLATION	A	В	С	D	REFERENCE	PART NUMBER
1	CF 1.33	1.33 (34)	.30 (7.5)	.02 (0.5)	1.06 (27)	C34LJF1	10200
1	CF 2.75	2.75 (70)	.50 (12.7)	.02 (0.5)	1.06 (27)	C70LJF1	10689
2	CF 2.75	2.75 (70)	.50 (12.7)	.02 (0.5)	1.06 (27)	C70LJF2	10690
3	CF 2.75	2.75 (70)	.50 (12.7)	.02 (0.5)	1.06 (27)	C70LJF3	10691

Accessories				
Description	REFERENCE	PART NUMBER		
LEMO Air Side Plug	ASP-LEMO	10186		

Multipin

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COSMO

Isolator